

⁴⁰Ar/³⁹Ar data for Mn4+-oxyhydroxide samples from the M, C, N and B-zones present in the Lower manganese body of drill core Rex.

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser	Heating
								(Ma)	(Ma)			(moles)	(W)	(min)
2026-01AREX2-M1	M	29.63	2.62E-02	3.46E-01	7.47E-02	7.60	25.6	50.04	30.93	0.0037	#####	#####	0.2	54
2026-01BREX2-M1	M	30.58	3.15E-02	4.10E-01	8.28E-02	6.16	20.1	40.70	12.80	0.0037	#####	#####	0.3	57
2026-01CREX2-M1	M	38.25	4.06E-02	4.94E-01	1.20E-01	2.97	7.8	19.70	7.86	0.0037	#####	#####	0.4	58
2026-01DREX2-M1	M	58.77	4.71E-02	4.84E-01	2.07E-01	-2.44	-4.1	-16.35	7.20	0.0037	#####	#####	0.5	58
2026-01EREX2-M1	M	141.54	9.55E-02	4.79E-01	4.75E-01	1.30	0.9	8.67	10.42	0.0037	#####	#####	0.59	59
2026-01FREX2-M1	M	341.09	2.28E-01	4.81E-01	1.15E+00	1.44	0.4	9.61	20.54	0.0037	#####	#####	0.69	59
2026-01GREX2-M1	M	342.13	2.27E-01	4.85E-01	1.13E+00	8.74	2.6	57.46	20.22	0.0037	#####	#####	0.79	60
2026-01HREX2-M1	M	156.16	1.10E-01	4.91E-01	5.09E-01	5.69	3.6	37.62	10.32	0.0037	#####	#####	0.89	60
2026-01IREX2-M1	M	58.75	4.70E-02	4.72E-01	1.84E-01	4.42	7.5	29.26	4.45	0.0037	#####	#####	0.99	60
2026-01JREX2-M1	M	25.85	2.74E-02	4.45E-01	8.31E-02	1.31	5.1	8.75	3.10	0.0037	#####	#####	1.09	60
2026-01KREX2-M1	M	16.03	2.10E-02	4.54E-01	4.99E-02	1.32	8.2	8.77	2.84	0.0037	#####	#####	1.09	60
2026-01LREX2-M1	M	8.43	1.60E-02	4.50E-01	2.13E-02	2.16	25.6	14.35	1.55	0.0037	#####	#####	1.29	60
2026-01MREX2-M1	M	6.03	1.32E-02	4.19E-01	1.40E-02	1.92	31.9	12.80	0.92	0.0037	#####	#####	1.39	61
2026-01NREX2-M1	M	5.06	1.27E-02	3.15E-01	5.86E-03	3.35	66.3	22.26	0.49	0.0037	#####	#####	1.49	60
2026-01CREX2-M1	M	3.81	1.28E-02	4.32E-01	5.89E-03	2.10	55.1	13.97	0.72	0.0037	#####	#####	1.79	60
2026-01PREX2-M1	M	3.24	1.44E-02	7.59E-01	1.24E-02	-0.36	-11	-2.39	4.23	0.0037	#####	#####	2.08	60
2026-01CREX2-M1	M	3.68	1.60E-02	6.33E-01	3.07E-02	-5.36	%-145.6	-36.13	8.00	0.0037	#####	#####	2.98	61
2026-02AREX2-M1	M	36.95	3.76E-02	5.04E-01	1.32E-01	-1.94	-5.3	-13.02	8.84	0.0037	#####	#####	0.2	54
2026-02BREX2-M1	M	119.15	8.88E-02	5.41E-01	4.14E-01	-3.21	-2.7	-21.57	10.21	0.0037	#####	#####	0.3	57
2026-02CREX2-M1	M	473.35	3.18E-01	5.35E-01	1.60E+00	-0.23	0	-1.52	30.19	0.0037	#####	#####	0.4	58
2026-02DREX2-M1	M	272.77	1.81E-01	5.42E-01	8.93E-01	8.82	3.2	57.98	18.41	0.0037	#####	#####	0.5	58
2026-02EREX2-M1	M	43.16	4.00E-02	5.14E-01	1.40E-01	1.70	3.9	11.31	3.73	0.0037	#####	#####	0.59	59
2026-02FREX2-M1	M	12.16	2.06E-02	4.32E-01	3.12E-02	2.97	24.4	19.74	1.49	0.0037	#####	#####	0.69	59
2026-02GREX2-M1	M	7.12	1.37E-02	3.46E-01	1.21E-02	3.59	50.4	23.82	1.12	0.0037	#####	#####	0.79	60
2026-02HREX2-M1	M	5.57	1.49E-02	4.77E-01	1.21E-02	2.04	36.7	13.59	2.38	0.0037	#####	#####	0.89	60
2026-02IREX2-M1	M	3.77	2.47E-02	8.16E-01	1.37E-02	-0.23	-6	-1.51	10.80	0.0037	#####	#####	1	60
2026-02JREX2-M1	M	4.94	3.73E-02	7.44E-01	2.44E-02	-2.23	-45.1	-14.93	27.38	0.0037	#####	#####	1.09	60
2026-02KREX2-M1	M	3.33	5.36E-02	5.08E-01	4.16E-02	-8.93	%-267.9	-60.62	48.35	0.0037	#####	#####	1.19	60
2026-02LREX2-M1	M	5.88	1.11E-01	7.72E-01	1.25E-01	-30.97	%-526.8	-219.70	57.62	0.0037	#####	#####	1.29	60
2026-02MREX2-M1	M	5.81	6.99E-02	1.36E-01	-8.77E-02	31.75	546.9	200.47	68.59	0.0037	#####	#####	1.39	61
2026-02NREX2-M1	M	4.28	1.81E-01	2.14E-02	-9.63E-02	32.73	765.4	206.36	102.45	0.0037	#####	#####	1.49	60
2026-02CREX2-M1	M	3.74	3.46E-02	3.82E-01	4.54E-03	2.43	64.9	16.14	36.60	0.0037	#####	#####	1.79	61
2026-02PREX2-M1	M	4.01	1.03E-02	4.19E-01	-6.83E-03	6.06	151.2	40.04	12.89	0.0037	#####	#####	2.07	60
2026-02CREX2-M1	M	3.93	1.69E-02	4.16E-01	-1.39E-02	8.06	205.4	53.06	13.37	0.0037	#####	#####	2.97	61

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser Heating	
								(Ma)	(Ma)			(moles)	(W)	(min)
2026-03AREX2-M1	M	48.50	4.29E-02	0.00E+00	1.60E-01	1.18	2.4	7.84	31.58	0.0037	#####	#####	0.2	54
2026-03BREX2-M1	M	53.85	5.10E-02	0.00E+00	1.51E-01	9.32	17.3	61.17	13.30	0.0037	#####	#####	0.3	57
2026-03CREX2-M1	M	90.60	7.18E-02	0.00E+00	2.93E-01	3.88	4.3	25.73	15.03	0.0037	#####	#####	0.4	58
2026-03DREX2-M1	M	84.02	5.38E-02	0.00E+00	2.51E-01	9.95	11.8	65.28	11.40	0.0037	#####	#####	0.5	58
2026-03EREX2-M1	M	60.01	4.24E-02	0.00E+00	1.58E-01	13.45	22.4	87.68	9.07	0.0037	#####	#####	0.59	59
2026-03FREX2-M1	M	44.75	2.77E-02	6.09E-04	7.15E-02	23.61	52.8	151.18	5.30	0.0037	#####	#####	0.69	59
2026-03GREX2-M1	M	38.75	1.88E-02	0.00E+00	3.95E-02	27.07	69.9	172.32	4.36	0.0037	#####	#####	0.79	60
2026-03HREX2-M1	M	38.01	1.78E-02	0.00E+00	2.32E-02	31.16	82	196.96	3.76	0.0037	#####	#####	0.9	60
2026-03IREX2-M1	M	41.46	1.76E-02	0.00E+00	2.60E-02	33.77	81.4	212.50	3.66	0.0037	#####	#####	1.19	60
2026-03JREX2-M1	M	48.84	1.68E-02	0.00E+00	1.82E-02	43.48	89	269.25	2.83	0.0037	#####	#####	1.38	60
2026-03KREX2-M1	M	42.98	1.36E-02	0.00E+00	5.37E-03	41.39	96.3	257.21	1.50	0.0037	#####	#####	1.98	61
2026-03LREX2-M1	M	7.63	1.29E-02	2.98E-03	4.31E-03	6.36	83.3	41.97	0.31	0.0037	#####	#####	2.97	61
2027-01AREX2-M2	M	14.47	1.37E-02	2.50E-01	1.69E-02	9.51	65.7	62.40	22.84	0.0037	#####	#####	0.2	54
2027-01BREX2-M2	M	10.39	2.15E-02	3.59E-01	4.17E-02	-1.90	-18.3	-12.72	7.47	0.0037	#####	#####	0.3	57
2027-01CREX2-M2	M	8.11	1.64E-02	3.44E-01	1.88E-02	2.59	31.9	17.21	3.99	0.0037	#####	#####	0.4	58
2027-01DREX2-M2	M	7.26	1.52E-02	3.50E-01	1.65E-02	2.40	33.1	15.98	2.70	0.0037	#####	#####	0.5	58
2027-01EREX2-M2	M	6.73	1.52E-02	3.55E-01	1.78E-02	1.48	22	9.88	2.48	0.0037	#####	#####	0.59	59
2027-01FREX2-M2	M	6.36	1.44E-02	3.47E-01	1.76E-02	1.19	18.6	7.90	2.42	0.0037	#####	#####	0.69	59
2027-01GREX2-M2	M	5.63	1.54E-02	3.52E-01	1.56E-02	1.04	18.5	6.96	2.23	0.0037	#####	#####	0.79	60
2027-01HREX2-M2	M	4.54	1.40E-02	3.46E-01	8.29E-03	2.12	46.6	14.09	1.70	0.0037	#####	#####	0.89	60
2027-01IREX2-M2	M	3.80	1.42E-02	3.39E-01	5.14E-03	2.31	60.7	15.35	1.00	0.0037	#####	#####	1.08	60
2027-01JREX2-M2	M	4.09	1.22E-02	3.13E-01	3.32E-03	3.14	76.7	20.83	0.70	0.0037	#####	#####	1.29	60
2027-01KREX2-M2	M	4.28	1.30E-02	3.02E-01	3.19E-03	3.36	78.5	22.28	0.48	0.0037	#####	#####	1.49	60
2027-01LREX2-M2	M	4.72	1.22E-02	2.90E-01	2.30E-03	4.06	86.1	26.93	0.39	0.0037	#####	#####	1.68	60
2027-01MREX2-M2	M	5.63	1.18E-02	2.68E-01	1.88E-03	5.10	90.5	33.75	0.33	0.0037	#####	#####	1.88	61
2027-01NREX2-M2	M	5.42	1.22E-02	2.57E-01	1.98E-03	4.86	89.6	32.16	0.43	0.0037	#####	#####	2.08	61
2027-01CREX2-M2	M	3.86	1.25E-02	3.54E-01	2.19E-03	3.24	83.9	21.53	0.53	0.0037	#####	#####	2.37	61
2027-01PREX2-M2	M	2.50	2.02E-02	4.10E-01	8.01E-03	0.17	6.7	1.12	5.03	0.0037	#####	#####	2.78	60
2027-02AREX2-M2	M	12.19	3.05E-02	2.04E-01	2.21E-02	5.66	46.5	37.44	16.02	0.0037	#####	#####	0.2	54
2027-02BREX2-M2	M	10.37	1.94E-02	2.51E-01	2.38E-02	3.37	32.5	22.36	6.00	0.0037	#####	#####	0.3	57
2027-02CREX2-M2	M	10.22	1.46E-02	2.83E-01	1.45E-02	5.97	58.4	39.46	4.24	0.0037	#####	#####	0.4	58
2027-02DREX2-M2	M	9.95	1.53E-02	2.99E-01	2.48E-02	2.65	26.6	17.59	4.09	0.0037	#####	#####	0.5	58
2027-02EREX2-M2	M	8.56	1.70E-02	2.79E-01	2.07E-02	2.45	28.6	16.28	4.09	0.0037	#####	#####	0.59	59
2027-02FREX2-M2	M	6.08	1.37E-02	3.01E-01	1.28E-02	2.33	38.2	15.47	3.07	0.0037	#####	#####	0.69	59

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser Heating	
								(Ma)	(Ma)			(moles)	(W)	(min)

2027-02GREX2-M2	M	3.86	1.38E-02	2.98E-01	4.64E-03	2.51	65.1	16.71	1.56	0.0037	#####	#####	0.79	60
2027-02HREX2-M2	M	3.80	1.29E-02	2.91E-01	2.76E-03	3.01	79.1	19.98	1.32	0.0037	#####	#####	0.89	60
2027-02IREX2-M2	M	4.36	1.22E-02	2.78E-01	2.37E-03	3.68	84.4	24.43	0.74	0.0037	#####	#####	1.08	60
2027-02JREX2-M2	M	5.35	1.14E-02	2.66E-01	2.32E-03	4.69	87.6	31.05	0.88	0.0037	#####	#####	1.09	60
2027-02KREX2-M2	M	6.38	1.12E-02	2.43E-01	2.63E-03	5.62	88.1	37.17	0.70	0.0037	#####	#####	1.18	60
2027-02LREX2-M2	M	6.65	1.22E-02	2.25E-01	1.76E-03	6.14	92.4	40.56	0.84	0.0037	#####	#####	1.29	60
2027-02MREX2-M2	M	6.38	1.22E-02	2.42E-01	1.23E-03	6.04	94.6	39.90	1.09	0.0037	#####	#####	1.49	61
2027-02NREX2-M2	M	4.95	1.23E-02	2.84E-01	3.71E-03	3.87	78.3	25.68	1.13	0.0037	#####	#####	1.99	61
2027-02CREX2-M2	M	2.49	1.35E-02	3.30E-01	1.45E-03	2.09	83.8	13.91	1.58	0.0037	#####	#####	2.97	60
2027-03AREX2-M2	M	7.96	1.93E-02	2.33E-01	3.08E-02	-1.11	-14	-7.45	5.72	0.0037	#####	#####	0.2	54
2027-03BREX2-M2	M	5.92	1.59E-02	2.39E-01	1.48E-02	1.57	26.5	10.44	3.28	0.0037	#####	#####	0.3	57
2027-03CREX2-M2	M	6.08	1.60E-02	2.40E-01	1.58E-02	1.41	23.3	9.41	2.83	0.0037	#####	#####	0.4	58
2027-03DREX2-M2	M	6.05	1.58E-02	2.45E-01	1.43E-02	1.86	30.7	12.36	2.28	0.0037	#####	#####	0.5	58
2027-03EREX2-M2	M	3.37	1.43E-02	2.54E-01	6.03E-03	1.61	47.7	10.69	1.07	0.0037	#####	#####	0.59	59
2027-03FREX2-M2	M	3.35	1.27E-02	2.37E-01	1.96E-03	2.79	83.2	18.55	0.63	0.0037	#####	#####	0.69	59
2027-03GREX2-M2	M	4.43	1.24E-02	2.34E-01	1.36E-03	4.05	91.3	26.85	0.41	0.0037	#####	#####	0.8	60
2027-03HREX2-M2	M	5.56	1.20E-02	2.14E-01	1.89E-03	5.02	90.3	33.20	0.33	0.0037	#####	#####	0.9	61
2027-03IREX2-M2	M	5.84	1.17E-02	1.94E-01	1.57E-03	5.39	92.3	35.62	0.37	0.0037	#####	#####	0.99	60
2027-03JREX2-M2	M	5.05	1.16E-02	1.92E-01	3.52E-03	4.03	79.7	26.71	0.74	0.0037	#####	#####	1.08	60
2027-03KREX2-M2	M	3.15	1.22E-02	2.37E-01	1.59E-03	2.70	85.7	17.93	1.49	0.0037	#####	#####	1.18	60
2027-03LREX2-M2	M	1.99	1.25E-02	2.81E-01	2.03E-03	1.42	71.1	9.43	1.40	0.0037	#####	#####	2.96	61
2028-01AREX2-B2	B	15.68	2.11E-02	7.87E-01	5.19E-02	0.40	2.6	2.69	5.78	0.0037	#####	#####	0.2	54
2028-01BREX2-B2	B	10.86	1.84E-02	7.84E-01	3.78E-02	-0.25	-2.3	-1.69	2.65	0.0037	#####	#####	0.4	58
2028-01CREX2-B2	B	16.32	2.09E-02	8.22E-01	4.66E-02	2.62	16.1	17.44	2.65	0.0037	#####	#####	0.59	59
2028-01DREX2-B2	B	14.09	2.13E-02	8.88E-01	4.21E-02	1.71	12.1	11.36	1.67	0.0037	#####	#####	0.79	60
2028-01EREX2-B2	B	5.26	1.44E-02	1.20E+00	1.24E-02	1.69	32.1	11.24	0.79	0.0037	#####	#####	0.99	60
2028-01FREX2-B2	B	4.34	1.30E-02	1.73E+00	5.88E-03	2.74	63.1	18.24	0.66	0.0037	#####	#####	1.19	60
2028-01GREX2-B2	B	3.78	1.29E-02	9.29E-01	5.24E-03	2.31	60.9	15.34	0.97	0.0037	#####	#####	1.49	60
2028-01HREX2-B2	B	3.97	1.55E-02	9.86E-01	1.77E-02	-1.19	-30	-7.99	4.44	0.0037	#####	#####	1.78	60
2028-01IREX2-B2	B	12.37	2.91E-02	1.37E+00	4.08E-02	0.42	3.4	2.83	11.30	0.0037	#####	#####	2.98	60
2028-02AREX2-B2	B	14.01	-3.27E-02	3.87E-01	-2.17E-01	78.22	558.2	458.77	105.75	0.0037	#####	#####	0.2	54
2028-02BREX2-B2	B	12.26	1.21E-02	8.92E-01	4.30E-03	11.07	90.2	72.45	7.22	0.0037	#####	#####	0.4	58
2028-02CREX2-B2	B	13.12	1.52E-02	9.21E-01	3.40E-02	3.15	24	20.90	5.15	0.0037	#####	#####	0.59	59
2028-02DREX2-B2	B	13.60	1.97E-02	9.06E-01	3.89E-02	2.17	15.9	14.41	3.26	0.0037	#####	#####	0.8	60

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser	Heating
								(Ma)	(Ma)			(moles)	(W)	(min)
2028-02EREX2-B2	B	14.52	2.02E-02	9.22E-01	3.93E-02	2.99	20.6	19.85	3.08	0.0037	#####	#####	0.99	60
2028-02FREX2-B2	B	22.49	2.80E-02	9.43E-01	6.42E-02	3.59	16	23.85	3.02	0.0037	#####	#####	1.18	60

2028-02GREX2-B2	B	21.00	2.40E-02	9.98E-01	6.30E-02	2.45	11.7	16.29	2.17	0.0037	#####	#####	1.49	61
2028-02HREX2-B2	B	11.28	1.85E-02	1.01E+00	3.24E-02	1.79	15.9	11.93	1.12	0.0037	#####	#####	1.98	61
2028-03AREX2-B2	B	10.52	1.84E-02	8.60E-01	2.30E-02	3.80	36.1	25.18	10.01	0.0037	#####	#####	0.2	54
2028-03BREX2-B2	B	15.88	2.32E-02	8.71E-01	4.97E-02	1.27	8	8.45	5.01	0.0037	#####	#####	0.4	58
2028-03CREX2-B2	B	43.83	4.08E-02	9.24E-01	1.42E-01	1.80	4.1	11.95	4.54	0.0037	#####	#####	0.59	59
2028-03DREX2-B2	B	12.74	1.86E-02	9.68E-01	3.80E-02	1.59	12.5	10.61	1.77	0.0037	#####	#####	0.79	60
2028-03EREX2-B2	B	4.07	1.35E-02	1.14E+00	5.81E-03	2.45	60	16.26	1.18	0.0037	#####	#####	0.99	60
2028-03FREX2-B2	B	3.66	1.18E-02	1.13E+00	3.28E-03	2.78	75.9	18.47	1.37	0.0037	#####	#####	1.18	60
2028-03GREX2-B2	B	3.30	1.34E-02	1.18E+00	3.04E-03	2.50	75.6	16.61	1.36	0.0037	#####	#####	1.49	60
2028-03HREX2-B2	B	3.06	1.48E-02	1.31E+00	2.04E-03	2.56	83.6	17.04	2.10	0.0037	#####	#####	1.99	61
2028-03IREX2-B2	B	6.22	1.97E-02	1.98E+00	2.25E-03	5.71	91.8	37.75	4.07	0.0037	#####	#####	2.97	61
2046-01AREX2-C1	C	22.76	3.16E-02	9.92E-01	7.09E-02	1.89	8.3	12.50	10.70	0.00369	#####	#####	0.2	54
2046-01BREX2-C1	C	16.74	2.17E-02	1.11E+00	6.30E-02	-1.78	-10.6	-11.90	6.03	0.00369	#####	#####	0.3	57
2046-01CREX2-C1	C	13.95	2.59E-02	1.14E+00	4.61E-02	0.42	3	2.78	5.90	0.00369	#####	#####	0.4	58
2046-01DREX2-C1	C	10.64	2.10E-02	1.23E+00	3.78E-02	-0.44	-4.1	-2.93	4.26	0.00369	#####	#####	0.5	58
2046-01EREX2-C1	C	5.75	1.66E-02	1.16E+00	2.01E-02	-0.09	-1.5	-0.57	2.09	0.00369	#####	#####	0.59	59
2046-01FREX2-C1	C	4.95	1.76E-02	1.14E+00	1.51E-02	0.56	11.3	3.71	1.67	0.00369	#####	#####	0.69	59
2046-01GREX2-C1	C	5.61	1.55E-02	1.19E+00	1.29E-02	1.88	33.4	12.44	1.48	0.00369	#####	#####	0.79	60
2046-01HREX2-C1	C	6.03	1.61E-02	1.35E+00	1.30E-02	2.29	37.9	15.16	1.36	0.00369	#####	#####	1	60
2046-01IREX2-C1	C	7.75	1.59E-02	1.68E+00	1.02E-02	4.87	62.8	32.12	1.61	0.00369	#####	#####	1.19	60
2046-01JREX2-C1	C	7.31	1.67E-02	1.79E+00	1.25E-02	3.76	51.5	24.88	2.20	0.00369	#####	#####	1.39	61
2046-01KREX2-C1	C	3.91	2.21E-02	1.34E+00	2.34E-02	-2.91	-74.3	-19.47	5.26	0.00369	#####	#####	1.79	61
2046-01LREX2-C1	C	9.40	5.04E-02	2.05E+00	5.07E-02	-5.42	-57.5	-36.40	34.87	0.00369	#####	#####	2.47	61
2046-01MREX2-C1	C	22.78	8.71E-02	2.09E+00	4.13E-02	10.75	47.1	70.14	98.41	0.00369	#####	#####	3.48	60
2046-02AREX2-C1	C	20.94	2.59E-02	7.75E-01	6.90E-02	0.62	3	4.12	7.52	0.00369	#####	#####	0.2	54
2046-02BREX2-C1	C	14.87	2.05E-02	8.12E-01	4.29E-02	2.26	15.2	14.96	4.87	0.00369	#####	#####	0.3	57
2046-02CREX2-C1	C	12.45	2.08E-02	8.23E-01	3.44E-02	2.35	18.9	15.58	3.93	0.00369	#####	#####	0.4	58
2046-02DREX2-C1	C	11.87	2.24E-02	9.53E-01	3.62E-02	1.26	10.6	8.36	3.12	0.00369	#####	#####	0.5	58
2046-02EREX2-C1	C	6.18	1.79E-02	9.47E-01	2.34E-02	-0.68	-11	-4.52	2.08	0.00369	#####	#####	0.59	59
2046-02FREX2-C1	C	5.08	1.58E-02	9.16E-01	1.47E-02	0.80	15.8	5.33	1.38	0.00369	#####	#####	0.69	59
2046-02GREX2-C1	C	5.31	1.59E-02	8.87E-01	1.16E-02	1.94	36.6	12.88	1.20	0.00369	#####	#####	0.79	60
2046-02HREX2-C1	C	5.92	1.40E-02	8.02E-01	7.77E-03	3.69	62.3	24.36	0.89	0.00369	#####	#####	0.99	60

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser Heating
								(Ma)	(Ma)			(moles)	(W) (min)
2046-02IREX2-C1	C	6.26	1.21E-02	1.08E+00	7.06E-03	4.26	68	28.10	1.59	0.00369	#####	#####	1.19 60
2046-02JREX2-C1	C	7.47	1.63E-02	1.66E+00	1.58E-02	2.95	39.4	19.51	3.12	0.00369	#####	#####	1.38 60
2046-02KREX2-C1	C	4.15	1.43E-02	1.08E+00	1.05E-02	1.14	27.4	7.55	3.30	0.00369	#####	#####	1.78 61
2046-02LREX2-C1	C	4.57	2.83E-02	1.39E+00	5.42E-02	-11.37	%-248.8	-77.26	12.89	0.00369	#####	#####	2.97 60

2046-03AREX2-C1	C	30.28	2.70E-02	1.32E+00	8.69E-02	4.71	15.5	31.05	57.46	0.00369	#####	#####	0.2	54
2046-03BREX2-C1	C	24.29	2.49E-02	1.05E+00	7.07E-02	3.49	14.4	23.10	9.71	0.00369	#####	#####	0.4	58
2046-03CREX2-C1	C	19.51	2.80E-02	1.10E+00	7.45E-02	-2.41	-12.3	-16.10	6.19	0.00369	#####	#####	0.59	59
2046-03DREX2-C1	C	14.92	2.53E-02	1.01E+00	4.58E-02	1.45	9.7	9.65	3.55	0.00369	#####	#####	0.8	60
2046-03EREX2-C1	C	12.08	2.01E-02	1.15E+00	3.46E-02	1.95	16.2	12.95	3.21	0.00369	#####	#####	0.99	60
2046-03FREX2-C1	C	7.90	1.80E-02	1.26E+00	2.06E-02	1.92	24.2	12.70	1.59	0.00369	#####	#####	1.39	61
2046-03GREX2-C1	C	6.35	1.53E-02	1.29E+00	1.25E-02	2.75	43.2	18.19	0.85	0.00369	#####	#####	1.79	61
2046-03HREX2-C1	C	6.49	1.44E-02	1.19E+00	9.56E-03	3.76	57.9	24.84	0.51	0.00369	#####	#####	2.37	61
2046-03IREX2-C1	C	7.57	1.41E-02	7.38E-01	4.71E-03	6.24	82.4	41.05	0.34	0.00369	#####	#####	2.98	60
2046-03JREX2-C1	C	4.95	1.99E-02	1.13E+00	1.19E-02	1.52	30.7	10.11	4.79	0.00369	#####	#####	3.48	60
2047-01AREX2-C2	C	30.57	4.32E-02	8.41E-01	1.03E-01	0.11	0.4	0.73	9.54	0.0037	#####	#####	0.2	54
2047-01BREX2-C2	C	22.06	2.96E-02	7.76E-01	7.26E-02	0.66	3	4.42	5.56	0.0037	#####	#####	0.3	57
2047-01CREX2-C2	C	20.95	2.86E-02	8.15E-01	6.80E-02	0.93	4.4	6.20	4.78	0.0037	#####	#####	0.4	58
2047-01DREX2-C2	C	22.70	2.72E-02	7.75E-01	6.48E-02	3.61	15.9	23.98	3.48	0.0037	#####	#####	0.5	58
2047-01EREX2-C2	C	20.89	2.65E-02	9.52E-01	6.20E-02	2.64	12.6	17.55	2.92	0.0037	#####	#####	0.59	59
2047-01FREX2-C2	C	11.45	1.55E-02	9.54E-01	3.34E-02	1.65	14.4	11.00	2.18	0.0037	#####	#####	0.69	59
2047-01GREX2-C2	C	6.26	1.71E-02	9.39E-01	1.78E-02	1.08	17.2	7.18	1.37	0.0037	#####	#####	0.8	60
2047-01HREX2-C2	C	4.57	1.53E-02	8.44E-01	1.21E-02	1.06	23.3	7.09	0.93	0.0037	#####	#####	0.89	60
2047-01IREX2-C2	C	4.48	1.47E-02	8.17E-01	1.06E-02	1.41	31.5	9.40	0.95	0.0037	#####	#####	0.99	60
2047-01JREX2-C2	C	5.06	1.49E-02	8.19E-01	1.15E-02	1.72	33.9	11.43	1.25	0.0037	#####	#####	1.18	60
2047-01KREX2-C2	C	8.30	1.40E-02	9.61E-01	1.67E-02	3.43	41.3	22.76	2.02	0.0037	#####	#####	1.49	60
2047-01LREX2-C2	C	17.02	1.87E-02	1.18E+00	2.87E-02	8.65	50.8	56.84	2.10	0.0037	#####	#####	1.98	61
2047-01MREX2-C2	C	29.58	2.63E-02	1.29E+00	5.45E-02	13.57	45.9	88.46	2.57	0.0037	#####	#####	2.97	60
2047-02AREX2-C2	C	35.93	3.88E-02	8.06E-01	1.26E-01	-1.38	-3.8	-9.21	13.79	0.0037	#####	#####	0.2	54
2047-02BREX2-C2	C	25.94	3.16E-02	8.63E-01	8.95E-02	-0.45	-1.7	-3.00	6.83	0.0037	#####	#####	0.3	57
2047-02CREX2-C2	C	23.16	2.61E-02	8.63E-01	7.95E-02	-0.28	-1.2	-1.85	4.42	0.0037	#####	#####	0.4	58
2047-02DREX2-C2	C	21.69	2.62E-02	8.65E-01	7.61E-02	-0.74	-3.4	-4.95	4.00	0.0037	#####	#####	0.5	58
2047-02EREX2-C2	C	21.07	2.76E-02	8.76E-01	7.41E-02	-0.76	-3.6	-5.07	3.55	0.0037	#####	#####	0.59	59
2047-02FREX2-C2	C	17.05	2.38E-02	9.78E-01	5.62E-02	0.51	3	3.44	2.83	0.0037	#####	#####	0.69	59
2047-02GREX2-C2	C	8.75	1.88E-02	1.02E+00	2.98E-02	0.02	0.2	0.14	1.59	0.0037	#####	#####	0.79	60

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser	Heating
								(Ma)	(Ma)			(moles)	(W)	(min)
2047-02HREX2-C2	C	5.38	1.62E-02	9.61E-01	1.89E-02	-0.11	-2.1	-0.77	0.97	0.0037	#####	#####	0.89	60
2047-02IREX2-C2	C	4.62	1.48E-02	8.83E-01	1.51E-02	0.24	5.1	1.57	0.71	0.0037	#####	#####	0.99	60
2047-02JREX2-C2	C	4.03	1.47E-02	9.25E-01	1.22E-02	0.49	12.1	3.26	0.68	0.0037	#####	#####	1.19	60
2047-02KREX2-C2	C	3.94	1.48E-02	9.08E-01	9.90E-03	1.08	27.5	7.23	0.58	0.0037	#####	#####	1.48	60
2047-02LREX2-C2	C	4.36	1.58E-02	9.85E-01	1.01E-02	1.44	33.1	9.61	0.99	0.0037	#####	#####	1.99	61
2047-02MREX2-C2	C	4.11	1.42E-02	1.16E+00	1.35E-02	0.21	5	1.37	3.14	0.0037	#####	#####	2.97	60

2047-03AREX2-C2	C	29.44	4.98E-02	8.74E-01	1.30E-01	-8.85	-30.1	-60.13	19.18	0.0037	#####	#####	0.2	54
2047-03BREX2-C2	C	24.28	2.91E-02	7.98E-01	7.90E-02	0.99	4.1	6.60	7.27	0.0037	#####	#####	0.29	57
2047-03CREX2-C2	C	22.95	2.96E-02	8.71E-01	8.62E-02	-2.45	-10.7	-16.44	5.53	0.0037	#####	#####	0.4	58
2047-03DREX2-C2	C	23.74	2.72E-02	9.01E-01	7.59E-02	1.37	5.8	9.13	5.63	0.0037	#####	#####	0.5	58
2047-03EREX2-C2	C	15.03	2.12E-02	9.43E-01	5.61E-02	-1.48	-9.8	-9.89	4.20	0.0037	#####	#####	0.59	59
2047-03FREX2-C2	C	7.58	1.84E-02	9.74E-01	3.12E-02	-1.56	-20.6	-10.47	3.41	0.0037	#####	#####	0.69	59
2047-03GREX2-C2	C	5.06	1.66E-02	8.91E-01	1.77E-02	-0.11	-2.2	-0.73	1.62	0.0037	#####	#####	0.79	60
2047-03HREX2-C2	C	4.26	1.51E-02	8.66E-01	1.18E-02	0.84	19.8	5.61	1.36	0.0037	#####	#####	0.89	60
2047-03IREX2-C2	C	4.07	1.34E-02	8.61E-01	1.18E-02	0.64	15.7	4.26	1.34	0.0037	#####	#####	0.99	60
2047-03JREX2-C2	C	4.69	1.61E-02	9.16E-01	1.94E-02	-0.97	-20.6	-6.48	2.20	0.0037	#####	#####	1.18	60
2047-03KREX2-C2	C	6.65	1.96E-02	1.02E+00	2.73E-02	-1.32	-19.9	-8.87	2.89	0.0037	#####	#####	1.49	60
2047-03LREX2-C2	C	10.63	1.67E-02	9.96E-01	2.00E-02	4.82	45.3	31.88	3.37	0.0037	#####	#####	1.99	61
2047-03MREX2-C2	C	11.12	1.92E-02	1.74E+00	9.28E-03	8.52	76.6	56.03	13.47	0.0037	#####	#####	2.97	60
2048-01AREX2-C3	C	49.94	5.70E-02	4.91E-01	1.66E-01	0.87	1.7	5.77	25.36	0.0037	#####	#####	0.2	54
2048-01BREX2-C3	C	37.55	3.35E-02	4.87E-01	1.21E-01	1.82	4.8	12.09	9.36	0.0037	#####	#####	0.3	57
2048-01CREX2-C3	C	29.28	3.08E-02	4.91E-01	8.70E-02	3.62	12.4	24.03	6.32	0.0037	#####	#####	0.4	58
2048-01DREX2-C3	C	23.88	2.86E-02	5.52E-01	7.63E-02	1.39	5.8	9.23	3.83	0.0037	#####	#####	0.5	58
2048-01EREX2-C3	C	20.33	2.35E-02	5.24E-01	6.25E-02	1.91	9.4	12.70	3.64	0.0037	#####	#####	0.59	59
2048-01FREX2-C3	C	17.48	2.21E-02	5.40E-01	5.43E-02	1.46	8.4	9.75	3.20	0.0037	#####	#####	0.69	59
2048-01GREX2-C3	C	15.64	2.20E-02	5.52E-01	4.42E-02	2.61	16.7	17.37	2.97	0.0037	#####	#####	0.79	60
2048-01HREX2-C3	C	12.74	1.85E-02	6.02E-01	3.43E-02	2.65	20.8	17.60	2.18	0.0037	#####	#####	0.89	60
2048-01IREX2-C3	C	8.75	1.71E-02	5.97E-01	2.43E-02	1.62	18.5	10.77	2.08	0.0037	#####	#####	0.99	60
2048-01JREX2-C3	C	6.07	1.50E-02	5.70E-01	1.42E-02	1.91	31.5	12.72	0.97	0.0037	#####	#####	1.19	60
2048-01KREX2-C3	C	5.29	1.35E-02	5.20E-01	1.04E-02	2.27	42.8	15.07	0.58	0.0037	#####	#####	1.49	60
2048-01LREX2-C3	C	4.75	1.30E-02	4.75E-01	5.80E-03	3.08	64.7	20.44	0.34	0.0037	#####	#####	1.98	61
2048-01MREX2-C3	C	5.10	1.24E-02	4.42E-01	4.66E-03	3.76	73.7	24.93	0.27	0.0037	#####	#####	2.98	60

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser Heating	
								(Ma)	(Ma)			(moles)	(W)	(min)
2048-02BREX2-C3	C	30.45	3.56E-02	4.97E-01	1.10E-01	-2.11	-6.9	-14.15	11.60	0.0037	#####	#####	0.3	57
2048-02CREX2-C3	C	17.65	2.62E-02	5.72E-01	6.24E-02	-0.74	-4.2	-4.93	7.02	0.0037	#####	#####	0.4	58
2048-02DREX2-C3	C	16.91	2.47E-02	6.45E-01	6.98E-02	-3.65	-21.6	-24.55	6.20	0.0037	#####	#####	0.5	58
2048-02EREX2-C3	C	18.38	2.36E-02	6.47E-01	5.15E-02	3.22	17.5	21.39	5.36	0.0037	#####	#####	0.59	59
2048-02FREX2-C3	C	23.81	2.52E-02	7.74E-01	6.08E-02	5.90	24.8	39.00	6.41	0.0037	#####	#####	0.69	59
2048-02GREX2-C3	C	17.34	2.08E-02	8.97E-01	4.80E-02	3.22	18.6	21.39	4.53	0.0037	#####	#####	0.79	60
2048-02HREX2-C3	C	9.89	1.56E-02	8.36E-01	3.36E-02	0.02	0.2	0.16	3.61	0.0037	#####	#####	0.89	81
2048-02IREX2-C3	C	5.76	1.57E-02	6.74E-01	1.70E-02	0.80	13.8	5.30	2.38	0.0037	#####	#####	0.99	60

2048-02JREX2-C3	C	4.84	1.40E-02	6.30E-01	9.27E-03	2.15	44.4	14.30	1.09	0.0037	#####	#####	1.19	60
2048-02KREX2-C3	C	5.41	1.34E-02	5.80E-01	7.83E-03	3.14	58.1	20.87	0.75	0.0037	#####	#####	1.49	60
2048-02LREX2-C3	C	6.38	1.25E-02	4.40E-01	5.84E-03	4.69	73.5	31.07	0.53	0.0037	#####	#####	1.99	61
2048-02MREX2-C3	C	14.61	1.55E-02	9.32E-01	1.41E-02	10.51	71.9	68.87	1.25	0.0037	#####	#####	2.96	60
2048-03REX2-C3	C	30.41	3.05E-02	5.97E-01	9.33E-02	2.88	9.5	19.16	8.09	0.0037	#####	#####	0.2	54
2048-03AREX2-C3	C	22.61	2.57E-02	6.30E-01	6.89E-02	2.31	10.2	15.35	7.61	0.0037	#####	#####	0.2	54
2048-03BREX2-C3	C	16.74	2.34E-02	6.60E-01	5.49E-02	0.56	3.4	3.75	3.70	0.0037	#####	#####	0.3	57
2048-03CREX2-C3	C	14.22	2.02E-02	7.32E-01	4.29E-02	1.59	11.2	10.58	2.61	0.0037	#####	#####	0.4	58
2048-03DREX2-C3	C	14.59	1.97E-02	8.50E-01	4.31E-02	1.91	13.1	12.72	2.19	0.0037	#####	#####	0.5	58
2048-03EREX2-C3	C	11.88	1.87E-02	9.16E-01	3.69E-02	1.04	8.7	6.92	2.10	0.0037	#####	#####	0.59	59
2048-03FREX2-C3	C	6.82	1.61E-02	8.38E-01	1.89E-02	1.30	19.1	8.67	1.32	0.0037	#####	#####	0.69	59
2048-03GREX2-C3	C	4.74	1.33E-02	7.64E-01	1.12E-02	1.49	31.5	9.96	0.72	0.0037	#####	#####	0.79	60
2048-03HREX2-C3	C	3.72	1.32E-02	7.40E-01	7.60E-03	1.53	41.1	10.18	0.47	0.0037	#####	#####	0.89	60
2048-03IREX2-C3	C	4.30	1.30E-02	7.55E-01	6.54E-03	2.43	56.4	16.15	0.72	0.0037	#####	#####	0.99	60
2048-03JREX2-C3	C	7.88	1.71E-02	1.32E+00	1.19E-02	4.47	56.7	29.63	1.96	0.0037	#####	#####	1.18	60
2048-03KREX2-C3	C	19.10	2.03E-02	1.53E+00	2.58E-02	11.59	60.6	75.81	2.95	0.0037	#####	#####	1.49	60
2048-03LREX2-C3	C	3.93	2.01E-02	1.42E+00	1.68E-02	-0.92	-23.5	-6.17	4.88	0.0037	#####	#####	1.98	61
2048-03MREX2-C3	C	6.23	2.51E-02	2.45E+00	1.85E-02	0.94	15.1	6.30	6.89	0.0037	#####	#####	2.97	60
2049-01AREX2-N1	N	16.28	2.50E-02	8.96E-01	5.28E-02	0.74	4.5	4.91	5.11	0.00369	#####	#####	0.2	54
2049-01BREX2-N1	N	37.82	3.50E-02	9.08E-01	1.43E-01	-4.27	-11.3	-28.61	6.02	0.00369	#####	#####	0.3	57
2049-01CREX2-N1	N	128.86	9.37E-02	1.00E+00	4.37E-01	-0.26	-0.2	-1.72	10.05	0.00369	#####	#####	0.4	58
2049-01DREX2-N1	N	11.57	1.96E-02	1.05E+00	3.82E-02	0.37	3.2	2.46	1.83	0.00369	#####	#####	0.5	58
2049-01EREX2-N1	N	4.42	1.49E-02	9.62E-01	1.38E-02	0.41	9.2	2.69	0.94	0.00369	#####	#####	0.59	59
2049-01FREX2-N1	N	3.91	1.35E-02	9.36E-01	1.09E-02	0.75	19.2	5.00	0.91	0.00369	#####	#####	0.69	59
2049-01GREX2-N1	N	3.98	1.34E-02	9.52E-01	1.23E-02	0.43	10.8	2.86	1.37	0.00369	#####	#####	0.79	60
2049-01HREX2-N1	N	2.89	1.53E-02	9.59E-01	8.67E-03	0.41	14	2.69	2.22	0.00369	#####	#####	0.9	60

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser	Heating
								(Ma)	(Ma)			(moles)	(W)	(min)
2049-01IREX2-N1	N	2.63	1.39E-02	9.95E-01	1.05E-02	-0.41	-15.6	-2.73	4.23	0.00369	#####	#####	0.99	60
2049-01JREX2-N1	N	2.73	1.56E-02	1.01E+00	9.77E-03	-0.08	-3	-0.54	5.48	0.00369	#####	#####	1.19	60
2049-01KREX2-N1	N	3.17	1.61E-02	1.18E+00	1.88E-02	-2.31	-72.8	-15.42	7.29	0.00369	#####	#####	1.48	60
2049-01LREX2-N1	N	4.18	2.68E-02	1.68E+00	1.96E-02	-1.47	-35.2	-9.83	15.59	0.00369	#####	#####	1.99	61
2049-01MREX2-N1	N	9.29	4.11E-03	2.11E+00	-5.64E-02	26.16	281.1	166.16	47.73	0.00369	#####	#####	2.97	60
2049-02AREX2-N1	N	33.53	9.20E-02	1.05E+00	8.51E-02	8.48	25.3	55.56	101.55	0.00369	#####	#####	0.2	54
2049-02BREX2-N1	N	32.10	3.68E-02	8.11E-01	1.23E-01	-4.16	-12.9	-27.87	10.84	0.00369	#####	#####	0.3	57
2049-02CREX2-N1	N	24.03	3.11E-02	9.18E-01	8.49E-02	-0.98	-4.1	-6.56	7.27	0.00369	#####	#####	0.4	58
2049-02DREX2-N1	N	18.63	2.58E-02	9.03E-01	6.21E-02	0.36	2	2.43	4.84	0.00369	#####	#####	0.5	58
2049-02EREX2-N1	N	15.58	2.18E-02	8.46E-01	5.42E-02	-0.36	-2.3	-2.37	3.66	0.00369	#####	#####	0.59	59

2049-02FREX2-N1	N	14.08	2.14E-02	8.65E-01	4.60E-02	0.56	4	3.71	3.09	0.00369	#####	#####	0.69	59
2049-02GREX2-N1	N	13.47	1.99E-02	8.55E-01	4.39E-02	0.58	4.3	3.84	2.52	0.00369	#####	#####	0.8	60
2049-02HREX2-N1	N	13.81	2.13E-02	9.11E-01	4.52E-02	0.53	3.8	3.51	2.39	0.00369	#####	#####	0.89	60
2049-02IREX2-N1	N	14.26	2.10E-02	9.24E-01	5.28E-02	-1.27	-8.9	-8.50	2.34	0.00369	#####	#####	0.99	60
2049-02JREX2-N1	N	14.32	2.14E-02	9.45E-01	4.60E-02	0.81	5.7	5.39	1.83	0.00369	#####	#####	1.18	60
2049-02KREX2-N1	N	12.16	2.01E-02	9.61E-01	3.85E-02	0.85	7	5.66	1.35	0.00369	#####	#####	1.49	60
2049-02LREX2-N1	N	7.68	1.67E-02	9.90E-01	2.45E-02	0.53	6.9	3.55	0.60	0.00369	#####	#####	1.99	61
2049-03AREX2-N1	N	26.44	2.99E-02	8.24E-01	6.90E-02	6.13	23.2	40.33	15.06	0.00369	#####	#####	0.2	54
2049-03BREX2-N1	N	35.72	3.99E-02	9.22E-01	1.16E-01	1.57	4.4	10.43	7.45	0.00369	#####	#####	0.3	57
2049-03CREX2-N1	N	138.89	1.05E-01	9.65E-01	4.76E-01	-1.59	-1.1	-10.60	11.67	0.00369	#####	#####	0.4	58
2049-03DREX2-N1	N	462.72	3.13E-01	1.02E+00	1.55E+00	6.04	1.3	39.76	26.55	0.00369	#####	#####	0.5	58
2049-03EREX2-N1	N	125.38	9.40E-02	1.09E+00	4.01E-01	7.01	5.6	46.03	9.09	0.00369	#####	#####	0.59	59
2049-03FREX2-N1	N	17.29	2.27E-02	1.02E+00	5.96E-02	-0.23	-1.3	-1.54	2.87	0.00369	#####	#####	0.7	59
2049-03GREX2-N1	N	8.64	1.92E-02	1.01E+00	2.84E-02	0.34	3.9	2.25	1.80	0.00369	#####	#####	0.79	60
2049-03HREX2-N1	N	6.56	1.67E-02	1.04E+00	2.03E-02	0.62	9.5	4.15	1.29	0.00369	#####	#####	0.9	60
2049-03IREX2-N1	N	6.22	1.76E-02	1.04E+00	1.94E-02	0.57	9.1	3.76	1.65	0.00369	#####	#####	0.99	60
2049-03JREX2-N1	N	5.78	1.76E-02	9.91E-01	1.92E-02	0.18	3.2	1.22	2.61	0.00369	#####	#####	1.18	60
2049-03KREX2-N1	N	4.64	1.70E-02	1.02E+00	2.04E-02	-1.30	-28	-8.68	2.63	0.00369	#####	#####	1.49	60
2049-03LREX2-N1	N	3.51	1.89E-02	1.09E+00	2.04E-02	-2.44	-69.4	-16.30	4.33	0.00369	#####	#####	1.98	61
2049-03MREX2-N1	N	5.63	2.29E-02	1.20E+00	2.13E-02	-0.58	-10.3	-3.88	11.85	0.00369	#####	#####	2.97	60
2050-01AREX2-N2	N	20.30	2.88E-02	9.35E-01	5.89E-02	2.96	14.6	19.58	8.33	0.00369	#####	#####	0.2	54
2050-01BREX2-N2	N	19.13	2.59E-02	8.95E-01	6.56E-02	-0.18	-1	-1.23	4.88	0.00369	#####	#####	0.29	57
2050-01CREX2-N2	N	56.51	4.96E-02	9.46E-01	1.91E-01	0.15	0.3	1.03	5.50	0.00369	#####	#####	0.4	58
2050-01DREX2-N2	N	201.34	1.39E-01	9.82E-01	6.75E-01	2.00	1	13.23	13.86	0.00369	#####	#####	0.5	58

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser Heating	
								(Ma)	(Ma)			(moles)	(W)	(min)
2050-01EREX2-N2	N	56.43	4.84E-02	1.03E+00	1.80E-01	3.31	5.9	21.90	4.53	0.00369	#####	#####	0.6	59
2050-01FREX2-N2	N	6.36	1.54E-02	1.00E+00	1.86E-02	0.95	14.9	6.31	0.99	0.00369	#####	#####	0.69	59
2050-01GREX2-N2	N	3.18	1.37E-02	9.84E-01	7.65E-03	0.99	31.3	6.61	0.75	0.00369	#####	#####	0.79	60
2050-01HREX2-N2	N	2.75	1.39E-02	9.85E-01	6.81E-03	0.81	29.6	5.41	0.76	0.00369	#####	#####	0.89	60
2050-01IREX2-N2	N	2.85	1.28E-02	9.96E-01	6.44E-03	1.03	35.9	6.81	0.68	0.00369	#####	#####	0.99	60
2050-01JREX2-N2	N	2.46	1.37E-02	1.08E+00	4.77E-03	1.13	46.1	7.53	0.94	0.00369	#####	#####	1.18	60
2050-01KREX2-N2	N	2.14	1.35E-02	1.07E+00	5.26E-03	0.67	31.4	4.48	1.60	0.00369	#####	#####	1.49	61
2050-01LREX2-N2	N	2.96	1.45E-02	1.30E+00	-1.57E-03	3.52	119.1	23.30	10.12	0.00369	#####	#####	1.99	61
2050-01MREX2-N2	N	4.26	1.15E-02	1.19E+00	7.95E-03	2.01	47.1	13.32	51.30	0.00369	#####	#####	2.97	60
2050-02AREX2-N2	N	43.72	4.47E-02	9.61E-01	1.61E-01	-3.75	-8.6	-25.13	6.36	0.00369	#####	#####	0.2	54
2050-02BREX2-N2	N	58.76	4.78E-02	1.05E+00	1.98E-01	0.40	0.7	2.68	5.61	0.00369	#####	#####	0.3	57
2050-02CREX2-N2	N	3.92	1.32E-02	9.95E-01	1.43E-02	-0.24	-6	-1.57	1.39	0.00369	#####	#####	0.4	58

2050-02DREX2-N2	N	2.81	1.57E-02	1.01E+00	1.28E-02	-0.90	-32.1	-6.02	1.38	0.00369	#####	#####	0.5	58
2050-02EREX2-N2	N	3.00	1.54E-02	1.07E+00	1.68E-02	-1.87	-62.1	-12.46	2.46	0.00369	#####	#####	0.59	59
2050-02FREX2-N2	N	2.48	1.64E-02	1.18E+00	1.64E-02	-2.27	-91.2	-15.14	4.38	0.00369	#####	#####	0.69	59
2050-02GREX2-N2	N	2.22	1.76E-02	1.15E+00	2.11E-02	-3.93	%-177.3	-26.33	5.33	0.00369	#####	#####	0.79	60
2050-02HREX2-N2	N	2.07	1.62E-02	1.05E+00	9.10E-03	-0.54	-25.9	-3.58	7.88	0.00369	#####	#####	0.9	60
2050-02IREX2-N2	N	2.03	1.61E-02	1.02E+00	1.49E-03	1.67	82.2	11.05	10.27	0.00369	#####	#####	1	60
2050-02JREX2-N2	N	2.20	2.07E-02	1.08E+00	3.13E-02	-6.97	%-317.3	-46.98	15.09	0.00369	#####	#####	1.18	60
2050-02KREX2-N2	N	2.58	4.86E-03	1.41E+00	8.64E-02	-22.86	%-884.1	-158.93	41.34	0.00369	#####	#####	1.49	60
2050-02LREX2-N2	N	3.75	-3.22E-02	1.08E+00	-1.77E-01	56.20	%1496.7	339.82	109.70	0.00369	#####	#####	1.98	61
2050-02MREX2-N2	N	16.53	2.32E-02	1.39E+00	1.46E-01	-26.40	%-159.5	-184.78	224.05	0.00369	#####	#####	2.98	60
2050-03AREX2-N2	N	17.91	2.72E-02	9.26E-01	6.92E-02	-2.49	-13.9	-16.61	6.00	0.00369	#####	#####	0.2	54
2050-03BREX2-N2	N	20.56	2.65E-02	8.63E-01	7.45E-02	-1.38	-6.7	-9.18	3.63	0.00369	#####	#####	0.3	57
2050-03CREX2-N2	N	51.92	4.69E-02	8.83E-01	1.72E-01	1.10	2.1	7.27	4.65	0.00369	#####	#####	0.4	58
2050-03DREX2-N2	N	124.63	9.10E-02	9.05E-01	4.22E-01	0.04	0	0.24	7.85	0.00369	#####	#####	0.5	58
2050-03EREX2-N2	N	63.15	5.15E-02	9.66E-01	2.09E-01	1.48	2.3	9.80	4.76	0.00369	#####	#####	0.59	59
2050-03FREX2-N2	N	18.96	2.37E-02	9.82E-01	6.15E-02	0.85	4.5	5.67	1.96	0.00369	#####	#####	0.69	59
2050-03GREX2-N2	N	11.77	1.91E-02	9.70E-01	4.21E-02	-0.61	-5.2	-4.06	1.50	0.00369	#####	#####	0.79	60
2050-03HREX2-N2	N	9.10	1.64E-02	9.17E-01	3.01E-02	0.29	3.1	1.90	1.18	0.00369	#####	#####	0.89	60
2050-03IREX2-N2	N	7.92	1.63E-02	9.28E-01	2.61E-02	0.29	3.6	1.90	1.11	0.00369	#####	#####	0.99	60
2050-03JREX2-N2	N	6.76	1.62E-02	9.43E-01	2.03E-02	0.84	12.4	5.59	0.85	0.00369	#####	#####	1.19	60
2050-03KREX2-N2	N	4.68	1.51E-02	9.86E-01	1.37E-02	0.71	15.2	4.74	0.73	0.00369	#####	#####	1.38	61
2050-03LREX2-N2	N	11.02	1.92E-02	1.10E+00	3.51E-02	0.74	6.7	4.93	1.45	0.00369	#####	#####	1.79	60

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age	±	J	Er J	⁴⁰ Ar	Laser	Heating
								(Ma)	(Ma)			(moles)	(W)	(min)
2050-03MREX2-N2	N	53.62	4.62E-02	1.05E+00	1.81E-01	0.16	0.3	1.07	7.02	0.00369	#####	#####	2.37	61
2050-03NREX2-N2	N	37.52	6.65E-02	1.35E+00	1.77E-01	-14.83	-39.5	-101.50	25.67	0.00369	#####	#####	2.97	61
2051-01AREX2-N3	N	15.74	1.86E-02	7.68E-01	5.80E-02	-1.35	-8.6	-9.01	4.30	0.00369	#####	#####	0.2	54
2051-01BREX2-N3	N	10.82	2.04E-02	7.84E-01	4.02E-02	-1.01	-9.3	-6.72	3.03	0.00369	#####	#####	0.3	57
2051-01CREX2-N3	N	11.52	2.13E-02	8.48E-01	4.00E-02	-0.24	-2.1	-1.59	3.06	0.00369	#####	#####	0.4	58
2051-01DREX2-N3	N	9.33	2.01E-02	1.01E+00	3.56E-02	-1.11	-11.9	-7.42	3.53	0.00369	#####	#####	0.5	58
2051-01EREX2-N3	N	4.93	1.67E-02	1.04E+00	2.05E-02	-1.06	-21.6	-7.10	2.33	0.00369	#####	#####	0.59	59
2051-01FREX2-N3	N	4.40	1.50E-02	9.50E-01	1.61E-02	-0.28	-6.3	-1.85	1.76	0.00369	#####	#####	0.69	59
2051-01GREX2-N3	N	3.16	1.48E-02	9.20E-01	1.23E-02	-0.40	-12.5	-2.64	1.34	0.00369	#####	#####	0.79	60
2051-01HREX2-N3	N	2.99	1.35E-02	8.60E-01	8.26E-03	0.62	20.6	4.11	0.76	0.00369	#####	#####	0.99	60
2051-01IREX2-N3	N	3.25	1.41E-02	8.37E-01	7.11E-03	1.21	37.3	8.04	0.85	0.00369	#####	#####	1.18	60
2051-01JREX2-N3	N	3.35	1.24E-02	8.65E-01	8.79E-03	0.82	24.5	5.46	0.91	0.00369	#####	#####	1.38	82
2051-01KREX2-N3	N	3.13	1.40E-02	9.29E-01	1.07E-02	0.05	1.5	0.31	1.64	0.00369	#####	#####	1.79	60
2051-01LREX2-N3	N	2.65	1.42E-02	9.27E-01	1.19E-02	-0.81	-30.4	-5.38	1.90	0.00369	#####	#####	2.37	61

2051-01MREX2-N3	N	2.70	1.58E-02	9.71E-01	1.41E-02	-1.40	-51.8	-9.34	3.79	0.00369	#####	#####	2.97	60
2051-02AREX2-N3	N	10.83	2.47E-02	7.99E-01	3.70E-02	-0.05	-0.5	-0.33	6.61	0.00369	#####	#####	0.2	54
2051-02BREX2-N3	N	7.67	1.93E-02	8.10E-01	3.07E-02	-1.33	-17.4	-8.89	4.02	0.00369	#####	#####	0.3	57
2051-02CREX2-N3	N	7.97	1.94E-02	9.08E-01	2.93E-02	-0.61	-7.6	-4.05	3.72	0.00369	#####	#####	0.4	58
2051-02DREX2-N3	N	4.65	1.40E-02	9.08E-01	1.55E-02	0.13	2.8	0.86	3.08	0.00369	#####	#####	0.5	58
2051-02EREX2-N3	N	2.93	1.53E-02	9.17E-01	1.05E-02	-0.08	-2.8	-0.56	2.05	0.00369	#####	#####	0.59	59
2051-02FREX2-N3	N	2.43	1.41E-02	8.90E-01	8.39E-03	0.02	0.9	0.14	1.44	0.00369	#####	#####	0.69	59
2051-02GREX2-N3	N	2.46	1.44E-02	8.89E-01	7.83E-03	0.22	8.8	1.44	1.19	0.00369	#####	#####	0.8	60
2051-02HREX2-N3	N	2.78	1.44E-02	8.82E-01	7.21E-03	0.71	25.6	4.73	0.98	0.00369	#####	#####	1	60
2051-02IREX2-N3	N	2.83	1.26E-02	9.83E-01	8.34E-03	0.45	15.7	2.96	1.54	0.00369	#####	#####	1.18	60
2051-02JREX2-N3	N	2.60	1.38E-02	9.77E-01	5.37E-03	1.09	42	7.27	2.48	0.00369	#####	#####	1.39	60
2051-02KREX2-N3	N	2.60	1.38E-02	9.95E-01	6.46E-03	0.77	29.6	5.12	1.64	0.00369	#####	#####	1.78	60
2051-02LREX2-N3	N	2.66	1.37E-02	1.26E+00	1.06E-02	-0.39	-14.6	-2.58	2.48	0.00369	#####	#####	2.47	61
2051-02MREX2-N3	N	3.49	1.95E-02	2.26E+00	-4.01E-03	4.86	139	32.03	10.96	0.00369	#####	#####	2.97	61
2051-03AREX2-N3	N	25.46	2.70E-02	7.28E-01	8.89E-02	-0.75	-3	-5.03	6.85	0.00369	#####	#####	0.2	54
2051-03BREX2-N3	N	12.67	2.02E-02	7.56E-01	4.57E-02	-0.77	-6.1	-5.15	3.94	0.00369	#####	#####	0.3	57
2051-03CREX2-N3	N	12.31	1.93E-02	7.91E-01	3.75E-02	1.28	10.4	8.52	2.75	0.00369	#####	#####	0.4	58
2051-03DREX2-N3	N	15.34	2.22E-02	9.15E-01	4.85E-02	1.07	7	7.13	2.81	0.00369	#####	#####	0.5	58
2051-03EREX2-N3	N	18.84	2.18E-02	1.02E+00	6.18E-02	0.67	3.5	4.44	2.54	0.00369	#####	#####	0.59	59
2051-03FREX2-N3	N	21.42	2.62E-02	1.08E+00	6.90E-02	1.12	5.2	7.46	2.67	0.00369	#####	#####	0.7	59

Run ID#	Sample Zone	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	% Rad	Age (Ma)	± (Ma)	J	Er J	⁴⁰ Ar (moles)	Laser (W)	Heating (min)
2051-03GREX2-N3	N	13.59	1.91E-02	1.07E+00	4.28E-02	1.03	7.6	6.83	1.70	0.00369	#####	#####	0.79	60
2051-03HREX2-N3	N	4.46	1.52E-02	9.05E-01	1.34E-02	0.58	12.9	3.83	0.63	0.00369	#####	#####	0.99	60
2051-03IREX2-N3	N	3.87	1.29E-02	9.07E-01	1.06E-02	0.80	20.6	5.31	0.36	0.00369	#####	#####	1.18	60
2051-03JREX2-N3	N	4.42	1.40E-02	1.09E+00	9.13E-03	1.81	40.8	11.97	0.75	0.00369	#####	#####	1.39	60
2051-03KREX2-N3	N	9.69	1.65E-02	1.83E+00	1.01E-02	6.84	70.5	44.96	1.92	0.00369	#####	#####	1.79	61
2051-03LREX2-N3	N	3.54	1.33E-02	1.18E+00	8.15E-03	1.22	34.5	8.10	2.95	0.00369	#####	#####	2.36	61
2051-03MREX2-N3	N	3.64	2.16E-02	1.94E+00	4.80E-03	2.38	65.2	15.74	8.83	0.00369	#####	#####	2.97	60